

BATTERY CHARGER 120W



FEATURES

- Single Phase Input
- High reliability
- Built In Transient protector & EMI filter
- Low ripple & noise
- Cooling by free air convection (Internal Fan for 12V model with Automatic fan control)
- Short circuit protection auto recovery type
- Current Limit : Yes
- Indications LED: Input OK, Float, Boost, Battery Reverse
- Low cost
- Compact

⚠ While Connecting Battery Keep Charger OFF.

INPUT	230V AC, +/-15%, 47-63Hz						
ISOLATION	Input – Output : 1.5KVAC, 1 minute Input – Earth : 1.5KVAC, 1 minute Output – Earth : 500VAC, 1 minute						
EFFICIENCY	70 ~ 75%						
INDICATIONS	MAINS ON	Green LED	FLOAT ON	Green LED			
	BOOST ON	Red LED	BATTERY REVERSE POLARITY	Red LED			
PROTECTIONS	Short Circuit Auto Recovery Type Overload Protection Auto Recovery Type Battery Reverse Polarity						
CHARGER ON RELAY	1 C/O Contact Rated for 5A@230VAC/24VDC						
BATTERY DRAIN DURING CHARGER OFF STATE	< 20uA						
OPERATING AMBIENT	0 ~ 50°C, 95% RH	STORAGE AMBIENT	-20°C to 85°C				
TERMINATIONS	Screw type, for 2.5mm sq. wire						
MOUNTING	Wall Mount						
WEIGHT (MAX)	880 grams						
ORDERING INFORMATION	INPUT VOLTAGE	NOMINAL INPUT : 230VAC/DC		OUTPUT	RIPPLE & NOISE	OVERVOLTAGE PROTECTION	DIMENSIONS (W x H x D) (mm)
	INPUT RANGE	AC					
	INPUT FREQUENCY	180 ~ 270V		VOLTAGE			
	IP CURRENT (max)	47 ~ 63Hz					
	INRUSH CURRENT	1.5A max		BOOST CURRENT			
	ORDER CODE	32A @230V					
		BCW-1210 (12V:10A)	13.20V	14.50V			
	BCW-2405 (24V:05A)	26.40V	29.50V	5A	+/-1%	< 32V	65 x 175 x 126 (Fig. 2)
	BCW-3603 (36V:03A)	39.60V	43.60V	3.3A	+/-1%	< 45V	65 x 175 x 126 (Fig. 2)
	BCW-4802 (48V:02A)	52.80V	58.50V	2.5A	+/-1%	< 63V	65 x 175 x 126 (Fig. 2)

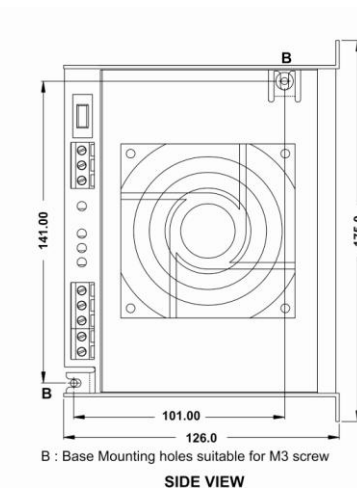
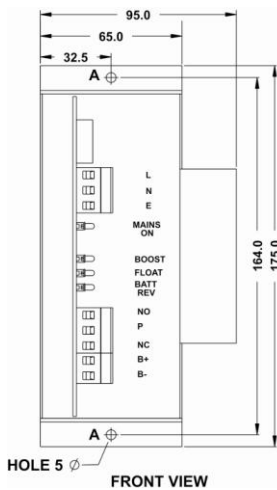


Fig. 1

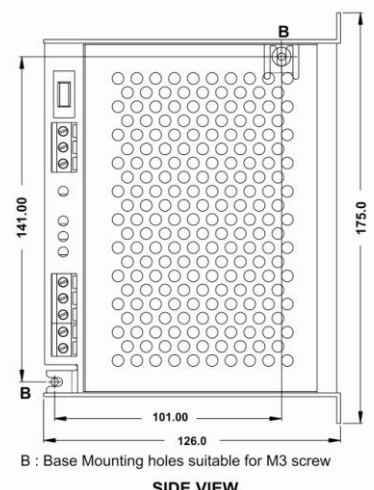
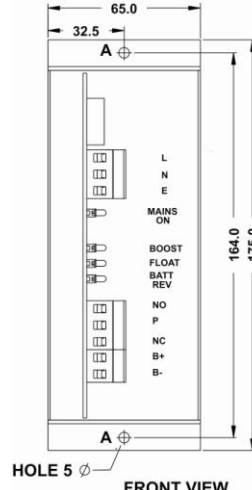


Fig. 2

Note : 1. All parameters measured at nominal input, rated load and 25°C of ambient temperature unless otherwise specified.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 100uf parallel capacitor.
3. Ensure clearance of minimum 35mm from adjacent components for proper ventilation.